



# Jefferson Science Associates, LLC

## Thomas Jefferson National Accelerator Facility

### JSA Initiatives Fund Proposal Summary Sheet

<b>Proposal title:</b> <u>EIC INT 2010 Jefferson Lab User Support</u>	
Total funds requested <b>\$9450</b>	Award Amount: \$5,000
Total leveraged support / Matching funds <b>\$19000+</b>	
<input checked="" type="checkbox"/> New proposal	<input type="checkbox"/> Renewal <span style="margin-left: 20px;">If renewal, prior year(s) and award amount(s)</span>
<b>Leveraged support / matching resources:</b> Identify the source and amount of support. For in-kind support, provide estimate of value. Your Identification of the authorized representative who has committed institutional support for your proposal represents the acknowledgement of that individual. No signature is required. Add additional pages if necessary	
(1) Name of institution	<u>Thomas Jefferson National Accelerator Facility</u>
Amount / estimate of support	<u>\$20000</u>
Authorized representative	<u>Hugh Montgomery</u>
Email / phone number	<u>mont@jlab.org</u>
(2) Name of institution	_____
Amount / estimate of support	_____
Authorized representative	_____
Email / phone number	_____
<b>Principal Investigator (PI)</b>	<u>Richard Milner</u>
Mailing Address	<u>26-505 MIT</u> <u>Cambridge, MA 02139</u>
Email / phone number	<u>Tel.: 617-253-7800 Fax: 617-253-0111</u>
<b>Co-PI</b>	<u>Markus Diehl</u>
Institutional affiliation	<u>DESY</u>
<b>Check one category:</b> If PI is a Lab employee, your Identification of the appropriate Associate Director below represents the acknowledgement of that AD with your submittal of proposal. No signature is required.	
<input type="checkbox"/> JLab employee	Associate director (email / phone) _____
<input type="checkbox"/> JLab user	University affiliation _____
<input checked="" type="checkbox"/> Other	Institutional affiliation <u>Massachusetts Institute of Technology</u>
<b>Executive summary</b> including the projected begin/end dates.	
<u>The proposal would provide support for the attendance of 4 Jefferson Lab users for varying periods totaling 10 weeks at the long EIC workshop at INT. Start September 2020, end November 2010.</u>	
<b>Synopsis</b> of scientific, educational, technical, and/or business merits, and alignment with and significance to Lab's current programs.	
<u>The Electron Ion Collider is potentially the next major nuclear physics facility after the Facility for Rare Isotope Beams. The current work aims to develop a scientific case for inclusion in the next Nuclear Sciences Advisory Committee long range plan. The INT workshop is anticipated to develop that case to a level where the contents of a physics proposal would be understood and partially delineated. The workshop has been anticipated by both Brookhaven National Laboratory and by Thomas Jefferson National Accelerator Facility and by their advisory bodies, for example, the EIC Advisory Committee and the JSA Science Council as an important part of the development of the science case.</u>	
<b>Proposed evaluation plan</b> to measure success. If this is a request for renewal of funds, assessment of prior year performance.	
<u>Submission of activity report covering the contributions of each of the participants to the INT Workshop.</u>	

Attachment A Technical Proposal – no more than 5 pages please. Up to 5 additional pages of letters of support, or other supporting materials may accompany proposal.  
Attachment B Budget Proposal

## Attachment A: EIC INT Jefferson Lab User Support

**Background:** In the Fall of 2010, the Institute for Nuclear Theory at the University of Washington, Seattle, will hold a multi-week workshop to develop the case for a future Electron Ion Collider. Under normal circumstances, the institute provides support for local living expenses. The response to the workshop has resulted in requests beyond the means of the institute and both Brookhaven National Laboratory and Thomas Jefferson National Accelerator Laboratory have been approached to support both their employees and some attendees from the respective user communities. Jefferson Lab has agreed to provide the relevant support for its employees but has requested assistance in supporting the users. (At the time of the initial request, the organizers estimated that the Jefferson Lab employee attendance would be 19 weeks. Since that time, further attendance by the Director and Deputy Director – Science has been added. Further the travel cost of each of the participants from their home institutions to U. Washington will be supported by other funds, either their institutions or their research funds. This accounts for our summarizing the matching support as \$19000+.

The Jefferson Laboratory Director suggested that the Jefferson Lab users participate in the submission of a proposal to the JSA initiatives fund. Hence this proposal.

**Request:** We propose to provide local living support for a total of ten weeks, at the standard INT rate of \$945 per week to the following physicists:

Franck Sabatie	<a href="mailto:fsabatie@cea.fr">fsabatie@cea.fr</a>	CEA Saclay	2	weeks
Matthias Burkardt	<a href="mailto:burkardt@nmsu.edu">burkardt@nmsu.edu</a>	New Mexico State U.	3	weeks
Tanja Horn	<a href="mailto:hornt@jlab.org">hornt@jlab.org</a>	Catholic University of America	4	weeks
Andreas Metz	<a href="mailto:metza@temple.edu">metza@temple.edu</a>	Temple U.	1	week

Total \$9,450

**Administrative Details:** The way that INT operates, it considers that all attendees are candidates for support. Thus the initial request for support included also the Jefferson Lab employees. Since the lab has already committed to support all of its attendees at the conference, that may be considered as a “matching” contribution.

**Assessment:** The people designated for support are expected to be key players in the discussions. The organizers are expecting more than one to take a leadership role in the workshop. At the end of the workshop, we would provide a short summary of the contributions made by each.

**Summary:** We request \$9,450 to provide support for Jefferson Lab user attendance at the INT Workshop on physics at the EIC.



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JSA Initiatives Fund Proposal  
Attachment B - Budget Proposal

Item Description	Amount
<b>Equipment.</b> JLab users submitting proposals that include equipment to be used at the Lab must review with the appropriate Lab Associate Director. The provision of the name of the AD below represents the AD's acknowledgement. No signature required.	
Associate Director: _____	
_____	
_____	
_____	
Subtotal Equipment	<u>\$0.00</u>
<b>Travel Support.</b> Provide break-out of estimates for registration fees, lodging and transportation, catering, and facility charges (room rentals, AV equipment; etc.)	
10 weeks local support at INT in UW, Seattle	
(\$945/week is the standardised stipend)	
_____	
_____	
_____	
Subtotal Travel	<u>\$9,450.00</u>
<b>Supplies</b>	
_____	
_____	
_____	
Subtotal Supplies	<u>\$0.00</u>
<b>Consultants/Subcontracts</b>	
_____	
_____	
_____	
Subtotal Consultants/Subcontracts	<u>\$0.00</u>
<b>Other Expenses.</b> Examples include stipends and honoraria, prizes, awards. The Initiatives Fund will not provide for salary and salary-related support and indirect expenses (G&A). The inclusion of these costs in your proposal will be a factor in the evaluation for award. Describe other expenses below.	
_____	
_____	
_____	
Subtotal Other Expenses	<u>\$0.00</u>
<b>Total Budget Proposal</b>	<u><u>\$9,450.00</u></u>

**Budget Justification**  
The proposal is for a total of 10 weeks of support for Jefferson Lab users to attend the EIC workshop at INT in the Fall of 2010. \$945 is the INT standard support rate for 1 week.